IPA Extensions
Range: 0250–02AF

This file contains an excerpt from the character code tables and list of character names for
The Unicode Standard, Version 9.0

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See http://www.unicode.org/charmaps/ for access to a complete list of the latest character code charts. See http://www.unicode.org/charts/PDF/Unicode-9.0/ for charts showing only the characters added in Unicode 9.0. See http://www.unicode.org/Public/9.0.0/charmaps/ for a complete archived file of character code charts for Unicode 9.0.

Disclaimer
These charts are provided as the online reference to the character contents of the Unicode Standard, Version 9.0 but do not provide all the information needed to fully support individual scripts using the Unicode Standard. For a complete understanding of the use of the characters contained in this file, please consult the appropriate sections of The Unicode Standard, Version 9.0, online at http://www.unicode.org/versions/Unicode9.0.0/, as well as Unicode Standard Annexes #9, #11, #14, #15, #24, #29, #31, #34, #38, #41, #42, #44, and #45, the other Unicode Technical Reports and Standards, and the Unicode Character Database, which are available online. See http://www.unicode.org/ucd/ and http://www.unicode.org/reports/

A thorough understanding of the information contained in these additional sources is required for a successful implementation.

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<table>
<thead>
<tr>
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### IPA Extensions

IPA includes basic Latin letters and a number of Latin or Greek letters from other blocks.

- **LATIN SMALL LETTER TURNED A**
  - low central unrounded vowel
  - uppercase is 2C6F
- **LATIN SMALL LETTER ALPHA**
  - Latin small letter script a (1.0)
  - low back unrounded vowel
  - uppercase is 2C6D
- **LATIN SMALL LETTER TURNED ALPHA**
  - low back rounded vowel
  - uppercase is 2C70
- **LATIN SMALL LETTER B WITH HOOK**
  - implosive bilabial stop
  - Pan-Nigerian alphabet
  - uppercase is 0181
- **LATIN SMALL LETTER C WITH CURL**
  - voiceless alveolo-palatal laminal fricative
  - used in transcription of Mandarin Chinese
  - sound spelled with 015B in Polish
- **LATIN SMALL LETTER D WITH TAIL**
  - d retroflex hook
  - voiced retroflex stop
  - uppercase is 018A
- **LATIN SMALL LETTER D WITH HOOK**
  - implosive dental or alveolar stop
  - Ewe, Pan-Nigerian alphabet
  - uppercase is 018B
- **LATIN SMALL LETTER REVERSED E**
  - upper-mid central unrounded vowel
- **LATIN SMALL LETTER SCHWA**
  - mid-central unrounded vowel
  - uppercase is 018F
  - variant uppercase form 018E is associated with 01DD
  - 01DD latin small letter turned e
  - 04D9 Cyrillic small letter schwa
- **LATIN SMALL LETTER SCHWA WITH HOOK**
  - rhotacized schwa
- **LATIN SMALL LETTER DOTLESS J WITH STROKE**
  - voiced palatal stop
  - typographically a turned f, but better thought of as a form of j
  - “gy” in Hungarian orthography
  - also archaic phonetic for palatoalveolar affricate 02A4
- **LATIN SMALL LETTER G WITH HOOK**
  - implosive velar stop
  - uppercase is 0193
- **LATIN SMALL LETTER SCRIPT G**
  - voiced velar stop
  - uppercase is A7AC
- **LATIN SMALL LETTER GAMMA**
  - voiced velar fricative
  - uppercase is 0194
  - 03B3 Greek small letter gamma
- **LATIN SMALL LETTER RAMS HORN**
  - Latin small letter baby gamma (1.0)
  - upper-mid back unrounded vowel
  - uppercase is A78D
- **LATIN SMALL LETTER TURNED H**
  - voiced rounded palatal approximant
  - uppercase is A78D
- **LATIN SMALL LETTER H WITH HOOK**
  - breathy-voiced glottal fricative
  - uppercase is A7A5
  - uppercase in Nawdm is 0124
  - 0281 modifier letter small h with hook
- **LATIN SMALL LETTER HENG WITH HOOK**
  - voiceless coarticulated velar and palatoalveolar fricative
  - “sj” in some Swedish dialects
- **LATIN SMALL LETTER I WITH STROKE**
  - barred i, i bar
  - high central unrounded vowel
  - uppercase is 0197
  - ISO 6438 gives lowercase of 0197 as 026A, not 0268
- **LATIN SMALL LETTER IOTA**
  - semi-high front unrounded vowel
  - obsoleted by IPA in 1989
  - preferred use is 026A
  - uppercase is 0196
  - 03B9 Greek small letter iota
<table>
<thead>
<tr>
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<td>026A</td>
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<td>LATIN SMALL LETTER L WITH MIDDLE TILDE</td>
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<td>LATIN SMALL LETTER L WITH BELT</td>
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<td>026D</td>
<td>LATIN SMALL LETTER L WITH RETROFLEX HOOK</td>
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<td>LATIN SMALL LETTER LEZH</td>
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IPA Extensions

028A LATIN SMALL LETTER Upsilon
- semi-high back rounded vowel
- preferred IPA alternate to 0277 Ω
- uppercase is 01B7 Ʌ
  → 03C5 b greek small letter upsilon

028B LATIN SMALL LETTER V WITH HOOK
  = latin small letter script v (1.0)
  = voiced labiodental approximant
  = uppercase is 01B2 U
  → 03C5 b greek small letter upsilon

028C LATIN SMALL LETTER TURNED V
  = caret, wedge
  = lower-mid back unrounded vowel
  = uppercase is 0245 ʖ
  → 0398 Ν greek capital letter lamda
  → 2038 Ʌ caret
  → 2227 A logical and

028D LATIN SMALL LETTER TURNED W
  = voiceless rounded labiovelar approximant

028E LATIN SMALL LETTER TURNED Y
  = voiced lateral approximant

028F LATIN SMALL LETTER SMALL CAPITAL Y
  = semi-high front rounded vowel

0290 LATIN SMALL LETTER Z WITH RETROFLEX HOOK
  = voiced retroflex fricative

0291 LATIN SMALL LETTER Z WITH CURL
  = voiced palatal-fricative
  = mistakenly named yogh in Unicode 1.0
  = uppercase is 01B7 Ʌ
  → 021D Ʌ latin small letter yogh
  → 04E1 Ʌ Cyrillic small letter abkhazian dze
  → 2125 Ʌ ounce sign
  → 1F772 Ʌ alchemical symbol for half dram

0293 LATIN SMALL LETTER EHZ WITH CURL
  = palatalized voiced postalveolar fricative

0294 LATIN LETTER GLOTTAL STOP
  = this is a caseless letter
  = used in IPA, other phonetic notations, and
  = those orthographies which use a caseless
glottal stop
  → 0241 ʔ latin capital letter glottal stop
  → 02C0 modifier letter glottal stop

0295 LATIN LETTER PHARYNGEAL VOICED FRICATIVE
  = reversed glottal stop
  = voiced pharyngeal fricative
  → 0189 Ꭓ latin small letter ezh reversed
  → 02C1 Ꭓ modifier letter reversed glottal stop

0296 LATIN LETTER INVERTED GLOTTAL STOP
  = lateral click
  → 01C1 Ꭓ latin letter lateral click

0297 LATIN LETTER STRETCHED C
  = palatal (or alveolar) click
  → 01C3 Ꭓ latin letter retroflex click
  → 2201 Ʝ complement

0298 LATIN LETTER BILABIAL CLICK
  = bullseye
  → 2299 Ꭓ circled dot operator

0299 LATIN LETTER SMALL CAPITAL B
  = bilabial trill

029A LATIN SMALL LETTER CLOSED OPEN E
  = closed epsilon
  = lower-mid front rounded vowel
  = non-IPA alternate for the preferred 0153 œ

029B LATIN LETTER SMALL CAPITAL G WITH HOOK
  = voiced uvular implosive

029C LATIN LETTER SMALL CAPITAL H
  = voiceless epiglottal fricative

029D LATIN SMALL LETTER J WITH CROSSED-TAIL
  = voiced palatal fricative
  = uppercase is A7B2 J

029E LATIN SMALL LETTER TURNED K
  = proposed for velar click
  = uppercase is A7B0 K
  → withdrawn by IPA in 1970

029F LATIN SMALL CAPITAL L
  = velar lateral approximant

02A0 LATIN SMALL LETTER Q WITH HOOK
  = voiceless uvular implosive

02A1 LATIN LETTER GLOTTAL STOP WITH STROKE
  = voiced epiglottal stop

02A2 LATIN LETTER REVERSED GLOTTAL STOP WITH STROKE
  = voiceless epiglottal fricative

02A3 LATIN SMALL LETTER DZ DIGRAPH
  = voiced dental affricate

02A4 LATIN SMALL LETTER DEZH DIGRAPH
  = voiced postalveolar affricate

02A5 LATIN SMALL LETTER DZ DIGRAPH WITH CURL
  = voiced alveolo-palatal affricate

02A6 LATIN SMALL LETTER TS DIGRAPH
  = voiceless dental affricate

02A7 LATIN LETTER TESH DIGRAPH
  = voiceless postalveolar affricate

02A8 LATIN SMALL LETTER TC DIGRAPH WITH CURL
  = voiceless alveolo-palatal affricate

IPA characters for disordered speech

029A LATIN SMALL LETTER FENG DIGRAPH
  = velopharyngeal fricative

02AA LATIN SMALL LETTER LS DIGRAPH
  = lateral alveolar fricative (lisp)

02AB LATIN SMALL LETTER LZ DIGRAPH
  = voiced lateral alveolar fricative

02AC LATIN LETTER BILABIAL PERCUSSIVE
  = audible lip smack

02AD LATIN LETTER BIDENTAL PERCUSSIVE
  = audible teeth gnashing

Additions for Sinology

02AF LATIN SMALL LETTER TURNED H WITH FISHHOOK

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